

ZEYGARNIK, B.V. (Moskva)

Psychology and psychiatry. Zhur. nev. i psikh. 63 no.4:
610-613 '63. (MIRA 17:2)

GOLODETS, R.G.; ZEYGARNIK, B.V.; RUBINSHTEYN, S.Ya.

Clinical and pathopsychological characteristics of asthenic states
due to chronic irradiation. Vop. psikh. 9 no.5:129-139
S-O'63. (MIRA 17:2)

1. Institut psikhiatrii Ministerstva zdavookhraneniya RSFSR,
Moskva.

ZEYGARNIK, B.V., doktor pedagogicheskikh nauk

Characteristics of the compensation for mental activity
deficiencies in cerebral atherosclerosis. Trudy Gos.nauch-
issl.inst.psikh. 25:255-263 '61. (MIRA 15:12)

1. Laboratoriya eksperimental'noy patpsikhologii (zav. -
B.V.Zeygarnik) i klinika sosudistyykh psikhozov (zav. - prof.
V.M.Banshchikov) Gosudarstvennogo nauchno-issledovatel'skogo
instituta psikiatrii Ministerstva zdravookhraneniya RSFSR.
(CEREBRAL ARTERIOSCLEROSIS) (MENTAL DEFICIENCY)

ZEYGARNIK, Blyuma Vul'fovna; SOKHIN, F.A., GEORGIYEVA, G.I., tekhn.
red.

[Pathology of thinking] Patologiya myshleniya. Moskva, Izd-vo
Mosk. univ., 1962. 242 p. (MIRA 15:3)
(PSYCHOLOGY, PATHOLOGICAL)

ZEYGARNIK, B.V.; BANSCHNIKOV, V.M., prof., otv.red.; ROKHLIN, L.L.,
red.

[Disturbances of thought processes in mental patients; experimental psychological study] Narusheniia myshleniia u psikhicheski bol'-nykh; eksperimental'no-psikhologicheskoe issledovanie. Moskva, Gos.nauchno-issledovatel'skii 'n-t psikhiiatrii, 1958. 92 p.

(MIRA 13:12)

1. Direktor Gosudarstvennogo nauchno-issledovatel'skogo instituta psikhiiatrii (for Banshchikov).

(MENTAL ILLNESS)

(THOUGHT AND THINKING)

ZEYGARNIK, B. V.

"Post-Leukotomic Psychological Changes in Schizophrenics," Nevropatol. i
Psikhiat., 17, No. 4, 1948. Mbr., Psychology Lab., Central Inst. Psychiatry,
-c1948-.

ZEYGARNIK, B. V.

Zeygarnik, B. V. "Disturbances to spontaneity in military traumas to the lobar portions of the brain", In the collection: Nevrologiya voyen. vremeni, Vol. 1, Moscow, 1949, p. 218-29.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949)

ZHEYGARNIK, B.V.

One form of disorder of thinking. Vop. psikhol. 2 no.6:
136-143 N-D '56. (MLRA 10:2)

1. Nauchno-issledovatel'skiy institut psikhatrii Ministerstva
zdravookhraneniya RSFSR.
(Psychology, Pathological)

ZEYGARNIK, B.V., kand.biologicheskikh nauk

Characteristics of the intellectual activity of patients with the initial phases of cerebral atherosclerosis. Trudy Gos. nauchno-issl. inst. psikh. 22:313-325 '60. (MIRA 15,1)

1. Psikhologicheskaya laboratoriya (zav. laboratoriyey - kand. biologicheskikh nauk B.V.Zeygarnik) i klinika sosudistyykh psikhozov (zav. klinikoy - prof. V.M.Banshchikov) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikiatrii Ministerstva zdravookhraneniya RSFSR.

(CEREBRAL ARTERIOSCLEROSIS)

(MENTAL ILLNESS)

ZEYGARNIK, B.V.

Subject and problems of pathopsychology. Trudy Gos. nauch.-issl.
inst. psikh. 43:7-13 '65. (MIRA 18:9)

1. Iz laboratorii eksperimental'noy patopsikhologii zaveduyushchaya
B.V.Zeygarnik) Gosudarstvennogo nauchno-issledovatel'skogo instituta
psikhiatrii, Moskva.

ZEYGARNIK, B.V., prof.

Methods for studying the emotionally-volitional spheres in mental patients; laboratory of experimental pathopsychology. Trudy Gos. nauch.-issl. inst. psikh. 43:42-57 '65. (MIRA 18:9)

1. Iz laboratorii eksperimental'noy patopsikhiologii (zastuyushchaya-prof. B.V.Zeygarnik) Gosudarstvennogo nauchno-issledovatel'skogo instituta psikiatrii, Moskva.

KOLBANOVSKIY, V.N. (Moskva); ZEYGARNIK, B.V. (Moskva); GEODAKYAN, I.M.
(Yerevan); YERITSYAN, M.S. (Yerevan)

Reviews and bibliography. Vop. psikhol. 11 no.6:174-182 N-D '65.
(MIRA 19:1)

LEVIT, G.T., inzh.; ZEYGARNIK, Yu.A., inzh.

Improving the economic indices of coal pulverization in impact mills with a centrifuge classifier. Teploenergetika 7 no.11: 26-31 N '60. (MIRA 14:9)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii elektrostantsii.

(Coal, Pulverized) (Crushing machinery)

KAZANDZHAN, B.I., inzh.; ZEYGARNIK, Yu.A., inzh.

Boiler-turbine block with 1,000 Mw. rating for an electric power
plant in Ravenwood U.S.A. Teploenergetika 11 no.2:88-90 F
'64. (MIRA 17:4)

STEPANOV, V.I., inzh.; ZEYGARNIK, Yu.A., inzh.

Automatic measuring of the level of pulverized coal
in intermediate bunkers. Energetik.9 no.4:5-7 Ap '61.
(MIRA 14:8)

(Coal—Storage)
(Level indicators)

DANOVICH, A.M.; ZEYGER, S.G.

Determining the height of a rise of heated contaminant in the atmosphere.
Trudy Len.gidromet.inst. no.18:55-69. '63.

(MIRA 18:1)

L 06258-67 EWT(1)

ACC NR: AP6030963

SOURCE CODE: UR/0181/66/008/009/2655/2659

AUTHOR: Zeyger, S. G.; Fradkin, E. Ye.

33

ORG: Leningrad State University im. A. A. Zhdanov (Leningradskiy gosudarstvennyy universitet)

B

TITLE: Number of generating modes in solid-state optical quantum generators of moving and standing waves

25

SOURCE: Fizika tverdogo tela, v. 8, no. 9, 1966, 2655-2659

TOPIC TAGS: standing wave, quantum generator

ABSTRACT: It has been shown earlier that the characteristic features of amplification and generation substantially depend on the type of broadening of the amplification contour of the active medium. The present article analyzes the manner in which the type of broadening affects the number of modes generating in a solid-state optical generator. It is shown that two modes with frequencies ω_1, ω_2 can generate if their frequency difference $|\omega_1 - \omega_2|$ is sufficiently large, $|\omega_1 - \omega_2| \geq |\omega_1 - \omega_2|_0$, and that the ratio of limiting frequency intervals in the generator of a moving wave and in the generator of a standing wave depends on the type of broadening of the amplification contour. Orig. art. has: 1 table and 5 formulas.

SUB CODE: 20/ SUEM DATE: 27Jan66/ ORIG REF: 005/ OTH REF: 003

Card 1/1

L-10438-67 EWT(1)/EEC(k)-2/EWP(k) IJP(c) WG

ACC NR: AP6031963

SOURCE CODE: UR/0051/66/021/003/0386/0390

AUTHOR: Zeyger, S. G.; Fradkin, E. Ye. 39

ORG: none

TITLE: Two-mode competition in a traveling-wave laser VS

SOURCE: Optika i spektroskopiya, v. 21, no. 3, 1966, 386-390

TOPIC TAGS: laser theory, traveling wave, laser, resonator mode, PERTURBATION
THEORY

ABSTRACT: The paper was presented at the First All-Union Symposium on Nonlinear Optics, held in June 1965 in Minsk. Analysis of equations for two traveling waves in an active medium (consisting of a system of atoms with a Gaussian velocity distribution) was done using methods of the theory of perturbations. Two special cases, uniform and nonuniform broadening, are discussed and expressions are derived for the frequency and relaxation times. Orig. art. has: 16 formulas. [YK]

SUB CODE: 20 / SUBM DATE: 15Sep65/ ORIG REF: 001/ OTH REF: 005

Card

1/1 life

UDC: 621.375.9:536.001.1

ZEYGERMAKHER, G.A.; MUKVOZ, L.G. (Zaperozh'ye)

Combined invasion of the biliary tract by helminths and lam-
blia simulating Botkin's disease. Kaz. med. zhur. no.5:85
S-0'63 (MIRA 16:12)

ZEYGERMAKHER, G.A. (Zaporozh'ye)

"Infectious hepatitis and its prevention" by A.A.Verzhkhovskaya.
Vrach.delo no.10:140 O '60. (MIRA 13:11)
(HEPATITIS, INFECTIOUS)
(VERZHKHOVSKAYA, A.A.)

ZHYGERMAKHER, G.A (Zaporosh'ye)

Some problems in teaching about infectious diseases in medical schools.
Fel'd.i akush. 25 no.2:54-56 F '60. (MIRA 13:5)
(MEDICINE--STUDY AND TEACHING)

ZEYGERMAKHER, G.A.

"Harmfulness of smoking to children" by A.D.Ostrovskii. Reviewed by G.A. Zeigermakher. Padiatria 38 no.4:89-90 Apr '60.

(MIRA 16:7)

(SMOKING)

(OSTROVSKII.A.D.)

ZHYGERMAKHER, G.A.

Diphtheria outbreak in a boarding school; author's abstract. Zhur.
mikrobiol., epid.i immun. 30 no.11;117-118 N '59. (MIRA 13:3)
(DIPHTHERIA)

ZEYGERMAKHNER, G.A. (Zaporozh'ye)

"Prophylactic inoculations" by A.L. Nikol'skii. Reviewed by G.A.
Zeigermakher. Fel'd. i akush. 24 no.10:60-61 O '59. (MIRA 13:2)
(VACCINATION)
(NIKOL'SKII, A.L.)

ZEIGERMAKHER, G. A.

256T48

USSR/Medicine - Infectious Diseases Nov/Dec 52

"Concerning Epidemic Parotitis," F.I. Nedostup,
G.A. Zeigermakher, Chair of Infect Diseases, Odessa
Med Inst

Pediat, No 6, pp 53-55

The authors describe their observations on a group of patients with epidemic parotitis in an Odessa hospital. They state that, as a rule, this disease is more common among children of school age. In this instance, adults comprised 38.8% of all cases. The epidemic usually assumes max proportions in March-May. Standard complications encountered have

256T48

been meningitis in children and orchitis in male patients. The prognosis has been good in the majority of cases.

ZHYGERMAKHER, G.A.

Epidemiology of tularemia. Zhur.mikrobiol.epid.i immn. no.3:86 Nr '54.
(MLRA 7:4)

1. Iz rayonnoy sanitarno-epidemiologicheskoy stantsii.
(Tularemia)

VELIKORETSKIY, D.A.; LORIYE, K.M.; FINKEL', I.I.; GRIGORCHUK, Yu.F.;
 BERGER, L.Kh.; UTROBINA, V.V.; KHARCHENKO, V.P.; MESHCHERYKOV, A.V.,
 student V kursa; OBEREMCHENKO, Ya.V., kand.med.nauk; NIKITIN, A.V.;
 MUKHOYEDOVA, S.N.; KUSMARTSEVA, L.V., assistant; KUZNETSOV, V.A.,
 dotsent; KUKHTINOVA, R.A., assistant; BONDARENKO, Ya.D. (g. Fastov);
 KURTASOVA, L.V. (g. Fastov); PEVCHIKH, V.V.; CHURAKOVA, A.Ye.;
 BABICH, M.M.; KUZ'MIN, K.P.; PAVLOV, S.S.; SHEVLYAKOV, L.V., kand.
 med.nauk; IGNAT'YEVA, O.M.; ZEYGERMAKHER, G.A.; GUTKIN, A.A.;
 POLYKOVSKIY, T.S.

Resumes. Sov.med. 25 no.11:147-152 N '61.

(MIRA 15:5)

1. Iz Instituta grudnoy khirurgii AMN SSSR (for Velikoretskiy, Loriye, Finkel').
2. Iz bol'nitsy No.3 Gorlovki Stalinskoy oblasti (for Grigorchuk).
3. Iz Tyumenskoy oblastnoy bol'nitsy (for Berger, Utrobina).
4. Iz Karatasskoy rayonnoy bol'nitsy Yuzhno-Kazakhstanskoy oblasti (for Kharchenko).
5. Iz Gospital'noy khirurgicheskoy kliniki I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova (for Meshcheryakov).
6. Iz kliniki propedevticheskoy terapii Stalinskogo meditsinskogo instituta na baze oblastnoy klinicheskoy bol'nitsy imeni Kalinina (for Oberemchenko).
7. Iz kliniki gospital'noy terapii Voronezhskogo meditsinskogo instituta (for Nikitin, Mukhoyedova).
8. Iz kafedry obshchey khirurgii Kishinveskogo meditsinskogo instituta (for Kusmartseva).

(Continued on next card)

VELIKORETSKIY, D.A.---(continued) Card 2.

9. Iz akushersko-ginekologicheskoy kliniki Stalinskogo meditsinskogo instituta na baze bol'nitsy imeni Kalinina (for Kuznetsov, Kukhtinova).
10. Iz gosspital'noy terapevticheskoy kliniki Izhevskogo meditsinskogo instituta (for Pevchikh, Churakova). 11. Iz Nosovskoy rayonnoy bol'nitsy Chernigovskoy oblasti (for Babich). 12. Iz Vyborgskoy mezhrayonnoy bol'nitsy (for Pavlov). 13. Iz 1-y gorodskoy bol'nitsy Tyumoni (for Ignat'yeva). 14. Iz 2-y infektsionnoy bol'nitsy g. Zaporozh'ya (for Zeygermakher). 15. Iz infektsionnogo i prozektorskogo otdeleniy Petrozavodskoy gorodskoy bol'nitsy (for Gutkin, Polykovskiy).

(MEDICINE---ABSTRACTS)

ZEYGERMAKHER, G. A.

Relapses and early repeated infections in measles. *Pediatrics*
no. 6:38-42 '62. (MIRA 15:6)

1. Iz 2-y infektsionnoy bol'nitsy Zaporozh'ya (glavnyy vrach
O. R. Rodionova, nauchnyy rukovoditel' - dotsent Ye. G. Popkova)

(MEASLES)

ZEYGERMAKHIER, G.A. (Zaporozh'ye).

Semmelweis and his great discovery. Fel'd. 1 akush. 22 no.4:35-39
Ap '57. (MIRA 10:6)

(SEMMELEWEIS, IGNAZ PHILIPP, 1818-1865)
(PUERPERAL SEPTICEMIA)

ZEYGERMAKHER, G.A.; NEGR BOVA, M.A.; BOGUSLAVSKIY, D.S.

Case of familial ovalocytosis. Probl. gemat. i perel. krovi 9
no.4:44-45 Ap '64. (MIRA 17:11)

1. 2-ya infektsionnaya bol'nitsa (glavnyy vrach O.R. Rodionova),
Zaporozh'ye.

~~ZEYGERMAKHER, A.I.~~

PHASE I BOOK EXPLOITATION

562

Zeygermakher, A.I.

Umen'sheniye shtampovochnykh uklonov pri goryachey shtampovke pod molotami (Reducing Die Draft in Hot Drop Forging) Leningrad, 1955. 6 p. (Series: Leningradskiy dom nauchno-tekhnicheskoy propagandy. Informatsionno-tekhnicheskoy listok, No 27 /715/) 7,000 copies printed.

Sponsoring Agencies: Leningradskiy dom nauchno-tekhnicheskoy propagandy, and Vsesoyuznoye obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy.

Ed.: Kamnev, P.V., Candidate of Technical Sciences; Tech. Ed.: Freger, P.D.

PURPOSE: The design considerations described in this pamphlet should be of interest to design engineers of forging dies, and to technicians in forging shops.

Card 1/2

Reducing Die Draft (Cont.)

562

COVERAGE: In this pamphlet the author attempts to show the various advantages resulting from a smaller draft angle on forged parts. He states that in order to produce forgings which would approach the dimensions of the finished part, thus cutting down on machining operations and on the weight of the forging, the draft angle on the forged part should be reduced. It is stated that the outer draft angles on forged parts may be as small as 4.5 to 5 degrees, and the inner angle 5 to 7 degrees, without impairing the efficiency of forging operations. There are numerous drawings to illustrate this point. No personalities are mentioned. There are no references. No table of contents is given, and there are no section headings.

AVAILABLE: Library of Congress

GO/lsb

29 August 1958

Card 2/2

ZNYGERMAKHER, A.I.; KAMNEV, P.V., kand.tekhn.nauk, red.; FREGER, P.D., tekhn.red.

[Reducing stamping angles in hot hammer forging] Umen'shenie
shtampovochnykh uklonov pri goriachei shtampovke pod molotami.
Leningrad, 1955. 6 p. (Leningradskii dor nauchno-tekhnicheskoi
propagandy. Informatsionno-tekhnicheskii listok, no.27(715))
(MIRA 10:12)

(Forging)

ZEYGERMAKHIER, G.A. (Zaporozh'ye)

"Why smoking is harmful" by K.S. Kosiakov. Reviewed by G.A. Zeyger-
makher. Fel'd. i akush. 23 no.8:62-63 Ag '58 (MIRA 11:8)
(TOBACCO--PHYSIOLOGICAL EFFECT)

ZEYGERMAKHER, I.L., inzh.

Use of thin-sheet corrugated constructions. Sudostroenie 27
no.4:61-63 Ap '61. (MIRA 14:3)
(Bulkheads (Naval architecture))

SAL'NIKOV, Georgiy Pavlovich, inzh.; DIDKOVSKIY, P.V., inzh., retsenzent;
DONDIK, I.G., inzh., retsenzent; ZAKHARENKO, I.P., kand. tekhn.
nauk, retsenzent; ZEYGERMAKHER, R.S., inzh., retsenzent;
KAMENICHNYY, I.S., inzh., retsenzent; MITSKEVICH, Z.A., kand.
khim. nauk, retsenzent; NEVSKIY, B.N., inzh., retsenzent;
RADOMYSEL'SKIY, I.D., kand. tekhn. nauk, retsenzent; CHEKURNA,
M.G., inzh., red.izd-va; SHAFETA, S.M., tekhn. red.

[Brief handbook for mechanical engineers] Kratkii spravochnik
mashinostroitelia. Kiev, Gostekhzdat USSR, 1963. 542 p.
(MIRA 17:2)

RABINER, N.Ya; KUNYANSKIY, N.A.; ZEYGERMAN, I.Yu.; KLEVITSKIY, Z.S.

Steam-heated deep-fat fryer with automatic regulation of the process of frying vegetables. Kons.i ov.prom. 15 no.9:5-8 S '60.
(MIRA 13:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut konservnoy promshlennosti (for Rabiner and Kunyanskiy). 2. Spetsialnoye konstruktorskoye byuro "Prodmash" Odesskogo sovnarkhoza (for Zeygerman and Klevitskiy).
(Canning and preserving—Equipment and supplies)

Zeygerman, I. Yu.

USSR/ Engineering - Machine attachments

Card 1/1

Pub. 103 - 14/23

Authors : Bershadskiy, G. Yu., Zeygerman, I. Yu.

Title : Attachment for grinding of internal working surfaces of self-centered chuck cams

Periodical : Stan. i instr. 2, page 34, Feb 1954

Abstract : A simple but suitable attachment (invented by S. F. Filinovich) for the grinding of internal working surfaces of self-centered chuck cams is described. The attachment consists of a ring and three horseshoe-shaped shackles hinge-fastened to the ring. The practical application of the attachment is described. Illustrations.

Institution :

Submitted :

BERSHADSKIY, G.Yu.; ZEYGERMAN, I.Yu.

Device for grinding the inner working surface of jaws for a self-centering chuck. Stan.1 instr. 25 no.2:34 P '54. (MLRA 7:5)
(Chucks)

ZEYGERMAN, V.; YARIN, E.

Using an amateur motion-picture camera for the study of elements
of operations of short duration. Biul. nauch. inform.: trud
1 zar. plata 3 no. 10:34-37 '60. (MIRA 13:12)
(Motion pictures in industry) (Motion study)
(Metal cutting)

ZEYGERMEYSTER, L.; SHARINOV, L.

Design and construction of industrial buildings with composite roofs. Prom.stroi, i inzh.soor. 4 no.2:8-12 Mr-Ap '62.

(MIRA 15:11)

1. Glavnyy inzhener tresta "Dneprokhimstroy" (for Zeygermeyster).
2. Glavnyy inzhener stroitel'nogo otdela Dneprodzerzhinskogo filiala Gosudarstvennogo proyektnogo i nauchno-issledovatel'skogo instituta azotnoy promyshlennosti (for Sharinov).

(Industrial buildings)

(Roofing, Concrete)

402-K. Weld Assembly of Steel Framework of High Buildings. (In

Hussein: M. M. Hakimovskii and A. I. Zaklin, *Soyuznaya Vostochnaia (Woking)*, v. 21, Mar. 1960, p. 18-19.

25. Possibility of attaching horizontal braces to the body of columns in the framework of high buildings without use of the "overhead" welding position. Optimum gap between brace and column is indicated. Steel backings were found more applicable than aluminum or copper. (K general, T26, (N)

A 10.31A METALLURGICAL LITERATURE CLASSIFICATION

ZEYHIDZE, G.V., Cand Agr Sci--(disc' "Certain biological properties of the
9. ^{apocry} grapevine seedlings and ^{agricultural engineering} ~~the~~ methods of accelerating ~~its~~ fruit-
bearing." Tbilisi, 1958. 18 pp (Min of Agr USSR. Georgian Order of Labor
Red Banner Agr Inst), 100 copies (13,31-58, 105)

-81-

ZEYLAND-MALAWKA, Ewa

On certain types of gait in patients with flaccid paralysis
of the lower extremities. Chir.narz.ruchu 24 no.4:293-304
'59.

1. Z Sanatorium Rehabilitacyjno-Ortopedycznego dla Dzieci w
Swiebodzinie Dyrektor: dr L.Wierusz.

(PARALYSIS)

(LEG dis)

ZEYLENOK, M.A., dotsent

Functional state of the central nervous system in typhoid fever.
Klin.med. 34 no.7:91 J1 '56. (MLRA 9:10)

1. Iz kliniki infektsionnykh bolezney Voronezhskogo meditsinskogo
instituta.

(NERVOUS SYSTEM) (TYPHOID FEVER)

ZEYLENOK, N.A.-(Cand. Med. Sci.)

"Methods Used in the Study of Suppressing Action of Various Substances on Viruses of Influenza and Smallpox Vaccine,"

p. 127 Ministry of Health USSR Proceedings of the Second All-Union Conference on Antibiotics, 31 May - 9 June 1957. pp. 405, Moscow, Medgiz, 1957.

ZEXLIDZON, A.D.

Connection of electric equipment coils. Prom.energ. 19 no.7:59
J1 '64. (MIRA 18:1)

ZEYLIDZON, Ye. D.

Concerning the duration of the operation of a 10 kv. power
distribution network in the presence of a short circuit to
ground. Energetik 10 no.8:33 Ag '62. (MIRA 15:10)

(Electric power distribution)
(Electric protection)

LINDORF, L.A.; FUFURIN, N.P.; ULITSKIY, M.S.; USTINOV, P.I.;
ZEYLIDZON, Ye.D.; MININ, G.P.; KOTS, A.Ya.; KHAVIN, N.Z.;
MURAVLEVA, N.V.; LIBERMAN, A.Ya.; BARANOV, B.M.;
ZVENIGORODSKIY, I.S.; IVANOV, V.S.; IOFFE, F.Ye.
[deceased]; BURLAKOV, B.M.; MIRENBURG, L.A. [deceased];
FAYERMAN, A.L., red.

[Aid for studying engineering regulations governing the
operation of electric power plants and networks] Posobie
dlia izucheniia pravil tekhnicheskoi ekspluatatsii elektri-
cheskikh stantsii i setei. Izd.2., peresmotrennoe. Mo-
skva, Energiia, 1965. 551 p. (MIRA 18:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy proizvodstven-
nyy komitet po energetike i elektrifikatsii.

ZEYLIDZON, Ye.D., inzh.

Interphase and phase connecting of the magnetic starter coils.
Prom.energ. 17 no.10:19-20 0 '62. (MIHA 15:9)
(Electric motors—Starting devices)

ZEYLIDZON, YE. D.

PA 50115

USSR/Electricity
Power Plants, Electric
Relays, Electric

Dec 1947

"Statistical Data on the Performance of Relay Safety
Devices in the Power Systems of the Ministry of
Power Stations for the Period 1945-46," Ye. D.
Zeylidzon, Eng., 7 pp

"Elektricheskiye Stanitsy" No 12

Important to gather statistical information to
afford basis of comparison in the future. Statis-
tics necessary for wide field of operation of the
power systems. Most important to conduct an
analysis of performance of generator safety devices,
differential transformer safety devices, and several
others. Performance of safety devices must be
noted from standpoint of operation in unit as well
as individual operation. Also discusses the AVR.
In 1946, 400 AVR units in operation.

IC

50115

ZEYLIDZON, YE. D.

JUL 48

USSR/Electricity
Hydroelectric Plants
Power Plants - Controls

"Automation in Power Engineering," Ye. D.
Zeylidzon, Ener, 9 pp

"Kauka i Zhizn'" No 7

Discusses proposed automatization of starting and
stopping processes in hydroelectric stations. In
all hydroelectric plants under construction, these
processes are automatic. By 1950, those that have
been operating will be automatic. Discusses
automatization of thermoelectric stations, with
particular attention to automatic regulation of
33/49730

JUL 48

USSR/Electricity (Contd.)

Discusses relay
combustion processes in boilers. Discusses relay
protection of generator circuits, high-frequency
protection of high-voltage transmission lines, and
automatic installations on generators in compound-
stations (automatic voltage regulation, compound-
ing devices, forced excitation apparatus, etc.).

ZEYLIDZON, Ye. D.

USSR/Electricity - Boilers
Regulators

Apr 50

"Review of Automatic Regulation of Boiler
Units," Ye. D. Zeylidzon, V. I. Piteritsev, Engi-
neers, 1 1/2 pp

"Elek Stants" No 4

Book contains eight articles on recent (1940-
1947) work of All-Union Heat Eng Inst iment
F. E. Dzerzhinskii. They deal only with work
on contact-galvanometer system of regulation.
No mention made of electronic apparatus designed by
by the institute since 1947. Book was edited by
158R14

Apr 50

USSR/Electricity - Boilers (Contd)

Prof S. G. Gerasimov and Engr Ye. P. Stefan',
M-L, Gosenergoizdat, 1949, 104 pp, 1,500 copies,
10 rubles.

158R14

1. SOLOV'YEV, I. I., Prof.; ZEYLIDSON, Ye. D., Eng.; KRIKUNCHIK, A. B., Eng.;
MOSKALEV, A. G., Eng.; POPOV, I. N., Eng.; TSAREV, M. I., Eng.; Kohmeestov, B.A.
2. USSR (600)
4. Sirotinskii, E. L.
7. Remarks to Ye. L. Sirotinskiy's article "Symbols and rules for drawing schemes
of relay protection and automaticity." *Eletrichestvo*, No. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. ZEYLIDZON, Ye. D., Eng.
 2. USSR(600)
 4. Electric Power Plants
 7. Equipping electric power systems with remote control, Elek. sta., 23, No. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. ZEYLIDZON, YE. D.: CHERNOBRODOV, N. V.
2. USSR (600)
4. Electric Relays
7. "Relay protection of electric systems." A. M. Fedoseyev. Reviewed by Engs. Ye. D. Zeylidzon, N. V. Chernobrodov. Elek.sta., 23, no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

ZEYLIDZON, Ye.D., inzhener.

Weight-loaded and spring drive mechanisms for high voltage circuit breakers.
(MLRA 6:5)

Mekh.trud.rab. 7 no.5:48 My '53.

(Electric circuit breakers)

ZEYLIDZON, Ye.D.

On automatic frequency regulation (ARCh) and automatic frequency
cut-off (AGhR). Energetik 2 no.3:35-36 Mr '54. (MLRA 7:5)
(Governors (Machinery)) (Electric switchgear)

ZEYLIDZON, Ye.D., inzhener.

Standardization of automatic apparatus in electric power stations.
Standartizatsiia no.3:36-40 My-Je '54. (MIRA 7:6)

1. Ministerstvo elektrostantsiy. (Electric power plants--Standards)
(Automatic control--Standards)

ZEYLIDZON, Ye. D.

AID P - 709

Subject : USSR/Electricity

Card 1/1 Pub. 29 - 2/26

Author : Zeylidzon, Ye. D., Eng.

Title : Protection of generators of low voltage and small capacity

Periodical : Energetik, 9, 3-5, S 1954

Abstract : The author discusses this protection on the basis of the "Rules for Electric Installations". These Rules do not include the protection of generators of 50 to 150-kva capacity. The author explains how such protection should be executed. 2 diagrams.

Institution : None

Submitted : No date

Zeylidzon, Ye. D.

AID P - 1025

Subject : USSR/Electricity

Card 1/1 Pub. 27 - 2/23

Author : Zeylidzon, Ye. D., Eng.

Title : Problems of teleautomation of electric power systems

Periodical : Elektrichestvo, 11, 11-15, N 1954

Abstract : The author describes the contemporary development of teleautomatic control of hydroelectric power stations and sub-stations. The teleautomatic dispatching of interconnected power systems is also discussed. A review of Soviet achievements in the production of automatic apparatus for the various functions of the control systems are presented. A program of future development is given.

Institution : Technical Administration of the Ministry of Electric Power Stations of the USSR

Submitted : Ag 23, 1954

ZMYLIDZON, Ye.D., inzhener.

Feeding control circuits of circuit breakers and of remote
control of substations with alternating current. Elek. sta. 25
no.1:40-42 Ja '54. (MLRA 7:1)
(Electric controllers)

ZEYLIDZON, Ye. D.

AID P - 1382

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 9/30

Author : Zeylidzon, Ye. D., Eng.

Title : Discussion of the article by G. S. Konyushkov:
"The extent of automatic remote control of sub-
stations" in Elek. Sta., #2, 1955.

Periodical : Elek. Sta., 2, 30-32, F 1955

Abstract : The author agrees with G. S. Konyushkov on the
necessity of eliminating excessive and costly
installations, the utility of which in the case
described in the article discussed was found
to be very doubtful. But the author disagrees
with certain technical details of the plan of
automation presented by G. S. Konyushkov. His
objections concern in particular the proposed
elimination of remote control of most of the
circuit breakers.

Institution: None

Submitted : No date

Zeylidzon, E. D.

AID P - 4060

Subject : USSR/Power

Card 1/1 Pub. 26 - 18/33

Author : Zeylidzon, E. D., Eng.

Title : Discussion on the extent of remote control at sub-stations.

Periodical : Elek. sta., 12, 47-48, 1955

Abstract : The author considers remote control signals and the installation of connecting cables. The problem of personnel on duty is also discussed.

Institution : Technical Administration of the Electric Power Plants Ministry.

Submitted : No date

MARKOV, A.N., inzhener; KHARLAMOV, V.M., inzhener; IOFFE, Ye.F., inzhener;
MIRONOV, Ye.P., dotsent; ZEYLIDZON, Ye.D., inzhener.

Extent of telecontrol of substations. Elek.sta.26 no.12:43-49 D
'55. (MLRA 9:4)

- 1.Yaroslavskaya elektroenergeticheskaya sistema (for Markov).
- 2.Glavnoye upravleniye elektrostantsiy i elektrosetey Yuga (for Kharlamov).
- 3.Tekhnicheskoye upravleniye MES (for Zeylidzon).
(Electric substations) (Remote control)

ZEYLIDZON, YE. D.

112-3-6525

Translation from: Referativnyy Zhurnal, Elektrotekhnika, 1957, Nr 3,
p. 204 (USSR)

AUTHOR: Zeylidzon, Ye. D.

TITLE: New Problems Connected with the introduction of Remote
Control devices for Electric Power Systems (Navyye
zadachi v oblasti telemekhanizatsii energeticheskikh
sistem)

PERIODICAL: In sbornik: Telemekhaniz. v nar. kh-ve, Moscow,
AN SSSR, 1956, pp. 355-361

ABSTRACT: An account is given of the introduction of remote control
methods in the power systems of the Ministry of Electric
Power Plants. At the end of 1955, in 20 large, medium and
small power systems, comprizing about 50% of the combined
capacity of all the power systems of the Ministry of
Electric Power Plants, dispatcher control was exercised

Card 1/4

112-3-6525

New Problems Connected with the introduction of Remote Control devices
for Electric Power Systems (Cont.)

from new central dispatching points which were equipped with means for telemetering and remote signalling. Several district network dispatching points provided with remote control equipment were set in operation. At the end of 1954, there was remote control equipment in more than 40 hydroelectric power plants, which accounted for more than 65% of the entire connected capacity of hydroelectric power plants of the Ministry of Electric Power Plants. The improved reliability of remote control devices is pointed out. The first technical solutions were more complex than necessary. Experience has shown that it is possible to do away with superfluous telemetering and remote signalling, and even to cut down on remote control. Automatic control in electric power stations is increasing, while telemetering and remote signalling in new standard designs of telemechanized substations are being decreased.

Card 2/4

112-3-6525

New Problems Connected with the introduction of Remote Control devices for Electric Power Systems (Cont.)

An indication is given of the advantage of continually relieving dispatchers of interconnected power systems of minor operations and transferring the latter to secondary control links. Questions are discussed in connection with improvement of existing technical remote control means and development of new schemes, such as organization of production methods for remote control equipment, expanding the types of equipment produced, installing of factory preassembled equipment on control panels together with repeating relays, power supplies and other components. The following future developments are discussed: systems for transmitting call signals, group remote signal devices for distribution networks, with several installations operating for a common dispatcher point assembly; a combined

Card 3/4

112-3-6525

New Problems Connected with the introduction of Remote Control devices for Electric Power Systems (Cont.)

high-frequency remote control and communications post for 35-kv networks; relaying signal and measuring devices. In connection with the proposed creation of a single power system in the European part of the USSR, there is a discussion of the advantage of employing high-frequency channels, using not only transmission lines, but also main cable and overhead communication lines. Radio relay systems can also be used. With a single power system, the state-wide communications network should also be used as a reserve by switching, direction changing and switching over from one type of communication to another. The problem of the remote control of frequency in interconnected systems is considered. The main objective sought in the resolution of future technical and organizational problems is the attainment of substantial technical and economic advantages.

N.M.F.

Card 4/4

ZEYLIDZON, Ye.D., inzhener.

Extent of telecontrol in power systems. Elektrichestvo no.1:93
Ja '56. (MLRA 9:3)
(Electric power distribution) (Remote control)

ZEYLIDZON, Ye.D., inzhener; ALEKSANDROV, I.N., inzhener; DERYUGIN, F.F., inzhener;
GALAKTIONOV, A.S., inzhener; RYVKIN, O.L., inzhener; KUCHENUK, A.Ye.,
inzhener; RAKOVICH, A.M., inzhener.

Simplification of relay protection. Elek.sta. 27 no.2:40-48 F '56.
(MLRA 9:6)

1. Tekhnicheskoye upravleniye Ministerstva elektrostaniitsii (for Zeylidson)
2. Belorussenergo (for Aleksandrov). 3. Chelyabenergo (for Deryugin).
4. L'energo (for Galaktionov, Rybkin). 5. L'vovskiy enrgokombinat (for Kuchenuk, Rakovich).

(Electric relays)

ZEYLIDZON, Ye.D., inzhener.

Evaluation of the technical and economic efficiency of
automatic control devices. Elek.sta. 27 no.7:27-31 J1
'56.

(MLRA 9:10)

(Electric apparatus and appliances)
(Automatic control)

ZEYLIDZON, Yc.D)

PHASE I BOOK EXPLOITATION 941

- Avtomatizatsiya energosistem i elektrostantsiy (Automatic Control in Power Systems and Electric Power Stations) Moscow, AN SSSR, 1957. 105 p. (Series: Obzory po novoy tekhnike. Seriya "Energetika") 5,000 copies printed.

Sponsoring Agencies: 1. Gosudarstvennoye izdatel'stvo tekhnoteoreticheskoy literatury; 2. Akademiya Nauk SSSR; 3. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii.

Ed.: Chuprakov, N.M.; Tech. Ed.: Shvetsov, M.P.

PURPOSE: This monograph is addressed to power engineers* and technicians interested in problems and recent developments in the automation and telemechanization of electric power plants and power systems.

COVERAGE: This brochure is a survey of problems in the automation of power systems insofar as they concern the joint operation of the electric power plants constituting each system, and the operation of

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Automatic Control in Power Systems (Cont.) 941

interconnected power systems. Problems in the telemechanization of dispatcher control of power systems and interconnected power systems are also examined. Technical solutions concerning the automation of technological processes and of control in thermal and hydro-electric power stations are also discussed. Problems in the automation and telemechanization of electrical networks have not been made the object of an independent survey. For this reason they are discussed at the same time with problems of power system automation, briefly in the section on distributing networks (transit interstation and intersystem electric transmission lines) and more extensively in connection with the basic circuits determining the operation of power systems and their combinations. No personalities are mentioned. There are 34 references, of which 19 are Soviet, 13 English, and 1 French.

3

Preface

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Automatic Control in Power Systems (Cont.) 941

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AVAILABLE: Library of Congress (TK1005 .C52)

JP/ksv
12-5-58

Card 5/5

~~ZEYLIDZON, Ye.D.~~

ZEYLIDZON, Ye.D., inzh.

What's new in automatic frequency load shedding in power systems.
Elektrichestvo no.11:81-84 N '57. (MIRA 10:10)

1. Tekhnicheskoye Upravleniye Ministerstvo elektrostantsiy.
(Electric power distribution)

ZETLIDZON, Ye.Y.

Protection of electric motors working on two phases. From. energ.
12 no.7:38 JI '57. (MIRA 10:8)

1. Tekhnicheskoye upravleniye Ministerstva elektrostantsiy.
(Electric motors)

ZEYLIDSON, Ye.D.
MUSATOV, T.P. inzh.; SHCHUKIN, B.D.; FIKSMAN, S.I. (Odessa)
GERSHKOVICH, S.F.; SHNEL' , R.V.; DODIN, Ya.I.; ZEYLIDSON,
Ye.D.

Problem of automation and remote control in industrial sub-
stations. Prom.energ. 12 no.8:1-7 Ag '57. (MIRA 10:10)

1. Stalinskiy setevoy rayon Donbassenergo (for Musatov).
2. Gidroproyekt, g. Kuybyshev (for Shchukin).
3. Novo-Kamerskiy khimkombinat (for Gershevik).
4. Novosibirskoye otdeleniye Gosudarstvennogo proyektного instituta Elektroproyekt (for Shnell').
5. Leninogorskiy polimetallicheskiy kombinat (for Dodin).
6. Tekhnicheskoye upravleniye Ministerstva elektrostantsiy (for Zeylidson).

(Electric power) (Automatic control)

ZEYLIDZON, Ye.D.
ZEYLIDZON Ye.D.

Operation of magnetic starters under lowered voltages. Prom.energ.
12 no.10:39 0 '57. (MIRA 10:10)

(Electric motors)

ZEYLIDZON, YE. D.

104-3-39/45

AUTHOR: Zeylidzon, Ye. D., Engineer.

TITLE: Voltage control with unsynchronised automatic repeated closure. (Konrtol' napryazheniya pri nesinkhronnom APV)

PERIODICAL: "Elektricheskiye Stantsii" (Power Stations), 1957, Vol.28, No.3, p. 90 (U.S.S.R.)

ABSTRACT: This brief note states that more extensive use is being made of unsynchronised automatic repeated reclosure on lines fed from both ends. In a number of cases the devices for control of voltage and synchronism are being removed from existing lines. It is pointed out that in certain circumstances it is advisable to retain the voltage control.

AVAILABLE: Library of Congress

Card 1/1

44-11140-1, 10. 11.
TITLE: Book Review

104-3-45/45

PERIODICAL: "Elektricheskiye Stantsii" (Power Stations), 1957
Vol.28, No.3, pp. 94 - 95 (U.S.S.R.)

ABSTRACT: Solov'ev, I.I. "Automation of power systems" (Avtomatizatsiya energeticheskikh sistem), Gosenergoizdat, 1956, 360 pages.
The book is reviewed by Zeylidzon, Yel.D., Engineer.
This is a complete and systematic textbook on the subject.
In one or two minor respects, which are pointed out, the book is already becoming out-of-date.

AVAILABLE: Library of Congress

Card 1/1

ZHYLIDZON, Ye.D., inzhener.

Some organizational and technical problems of managing electric
power systems. Elek. sta. 28 no.6:54-57 Jo '57. (MLRA 10:8)
(Electric power plants)

ZEYLIDZON, Ye.D., inzh.; MANUYLOV, P.N., inzh.

Automatization and telemechanization of power systems in the
U.S.S.R. during the past 40 years. Elek.sta. 28 no.11:59-63
N '57. (MIRA 10:11)
(Electric power plants) (Automatic control)

MEL'NIKOV, G.D., inzh.; ZEYLIDZON, Ye.D., inzh.; GALAKTIONOV, A.S., inzh.;
LEONOV, S.A., inzh.; SHLOPOV, Ye.P., inzh.

Certain problems in the structure of dispatcher control in power
systems. Elek.sta. 28 no.12:59-63 D '57. (MIRA 12:3)
(Power engineering)

ALEKSANDROV, Igor' Nikolayevich; KRASNOVSKIY, Andrey Zakharovich;
STEPUNIN, S.Ye., inzh.,red.; ZELYDZON, Ye.D., inzh., retsentsent;
LARIONOV, G.Ye., tekhn.red.

[Automatic reclosing on individual electric transmission lines
with two-way feed] Avtomaticheskoe povtornoie vkluchenie odi-
nochnykh linii elektropredachi s dvustoronnim pitaniem. Moskva,
Gos. energ. izd-vo, 1958. 94 p. (MIRA 12:1)
(Electric circuit breakers) (Electric lines)

AUTHOR: Zeylidzon, Ye. D., Engineer SOV-91-58-11-3/20

TITLE: The Use of Operational Alternating Current in Electrical Installations (Primeneniye peremennogo operativnogo toka v elektroustanovkakh)

PERIODICAL: Energetik, 1958, Nr 11, pp 8-13 (USSR)

ABSTRACT: The author discusses the disadvantages of the use of operational direct current for the supply of the relay protection, remote control of the switches, etc., in electrical installations, and states that in recent years attention has been paid to the possibility of changing over to operational alternating current with maximum decentralization of the network. This idea was started by a series of resolutions and exploitation circulars from the Technical Administration of the MES from 1954-1958. The subject was also dealt with in a series of articles and a discussion in the magazine "Elektricheskiye Stantsii", an ORGRES

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SOV-91-58-11-3/20

The Use of Operational Alternating Current in Electrical Installations

textbook "The Use of Operational Alternating Current in Power Systems" (Gosenergoizdat 1957), a book by P.M. Mel'nik, "Relay Protection on Operational Alternating Current" (Kiyev 1952) and a host of other works. The rest of the article consists of a lengthy and detailed description of the working and application of this system. There are 6 diagrams.

Card 2/2

1. Alternating current--Applications

LIYSHITS, D.S.; ZEYLIDZON, Ye.D.

Operation of magnetic starters at low voltages. Prom. energ. 13
no.5:36-38 My '58. (MIRA 11:8)
(Electric motors--Starting devices)

ZHYLIDZON, Ye.D., insh.

Exchange of experience relative to increased reliability and simplification of relay protection and automatic control. Elektr. sta. 29 no.2:92 P '58.

(MIRA 11:3)

(Electric relays) (Automatic control)

ZEYLIDZON, Ye.D., inzh.

Conditions bearing on the expediency of remote control of
substations. Elek.sta.29 no.3:59-63 Mr '58. (MIRA 11:5)
(Electric substations) (Remote control)

ZEYLIDZON, Ye.D., inzh.

Realizing automatic frequency unloading. Elek.sta. 29 no.8:
91-92 Ag '58. (MIRA 11:11)
(Electric power plants)

8(2),8(3),8(5),8(6),28(1)

AUTHOR: Zeylidzon, Ya. D., Engineer

SOV/105-59-1-7/29

TITLE:

Study and Development of Automatic
Frequency Control in Power Pool Systems (Ob issledovaniyakh
i razrabotkakh po avtomaticheskomu regulirovaniyu chastoty
v energoob"yedineniyakh)

PERIODICAL: Elektrichestvo, 1959, Nr 1, pp 29-33 (USSR)

ABSTRACT: Some organizations in the USSR have been carrying out for some years investigations in the field of automatic control of frequency and distribution of real load in big power pool systems. The main work is carried out at the VNIIE (b. TsNIEL), ORGRES, Gidroenergoprojekt, ENIN, LUMS, IEM, LPI imeni Kalinin. The power pool systems in Central Russia and the Ural completed some of the developed automatic systems for testing, at first (however) to control the real load distribution among a small number of power stations. There is no difference of opinion with respect to some problems of general nature, but in others there is serious disagreement. At present, there is an uncertainty in the important question as to what deviations an automatic system will have to respond to for distributing the loads economically. Principal condition for economic operation

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Study and Development of Automatic SOV/105-59-1-7/29
Frequency Control in Power Pool Systems

of the hydroelectric power station in a power system is the use of water reserves in such a way as to guarantee the smallest fuel consumption in the calorific power stations. In an automatic system, a possibility for correcting the load distribution according to the relative increase of fuel consumption has to be provided for. As the results of comparison between some national automatic systems have already been published, only some deliberations are put forward on this occasion, and summarizing the following can be said:

- 1) The further planning of automatic systems for the control of frequency and real load in power pool systems must be continued on the basis of general thorough analyses with concrete calculations and, if possible, with tests too.
- 2) Until the completion of planning, attention should be mainly concentrated on the introduction of a "working automation" (statsionnaya avtomatika) both with secondary and primary regulators. A possibility for the interference of devices belonging to the whole system is to be provided for.
- 3) Apparatus for the calculation of operation methods with the use of analogue and digital technique are to be developed as

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Study and Development of Automatic SOV/105-59-1-7/29
Frequency Control in Power Pool Systems

quickly as possible. There are 1 table and 4 Soviet
references.

SUBMITTED: July 7, 1958

Card 3/3

AUTHOR: Zeylidzon, Ye.D. SOV/91-59-1-15/26

TITLE: Protection of the Circuit Controlling Magnetic Starters
(Zashchita tsepey upravleniya magnitnymi puskatelyami)

PERIODICAL: Energetik, 1959, Nr 1, pp 31 - 32 (USSR)

ABSTRACT: Engineer M.F. Sidorin from Leningrad asks how the paragraph III-1-13 of the PUE (Rules Concerning the Equipment of Electric Installation) is to be understood; whether it is necessary to install special protection devices for shielding the circuit controlling magnetic starters. The question was answered in detail by the author.

Card 1/1

8 (6), 28 (1)

SOV/91-59-10-2/29

AUTHOR: Zeylidzon Ye. D., Engineer

TITLE: Some Problems of Power Automation

PERIODICAL: Energetik, 1959, Nr. 10, pp 1-7 (USSR)

ABSTRACT: The 21st Congress and the June Plenum of the Central Committee of the Communist Party of the Soviet Union have devoted particular attention to the problems of mechanization and automation of production. Automation which is the highest degree of mechanization, was determined as one of the most important trends in technical progress. An extremely important role of automation in power engineering does not need to be particularly emphasized: it goes without saying, continuity, rapidity and mutual dependence of electric energy distributing processes determine the need for a high-degree automatic control of electric power stations and other installations. Conditions of electric energy production, transfer and distribution undergo constant fluctuations that depend on the rate of energy consumption which varies in the course of 24 hours

Card 1/4

SOV/91-59-10-2/29

Some Problems of Energetics Automation

by 30 % - 35 %. In order to give an outline of the diversity of problems in the sphere of power system automation, the author has compiled a table which denotes by letters A,B,V and G the automation degree of different processes, installations and appliances in the field of energetics. A - denotes a high level of automation (80% and more); B - denotes a partial solution of the automation problems: some layouts and apparatuses are in use, but their types are not worked out; there is no serial production of them, and, where there is, it is insufficient in quantity and quality. V - denotes experimental stages: designing, developing constructing and preparing of devices for industrial production. G - laboratory experimentation, scientific research. Positions belonging to categories V and G amount to 40 %; respectively, they are distributed as follows: electric installations - 20%; hydro-installations - 39%; thermo-installations - 48%; control of power system conditions - 80%. The most important problem is the automatic energy distribution that would ensure an economic

Card 2/4